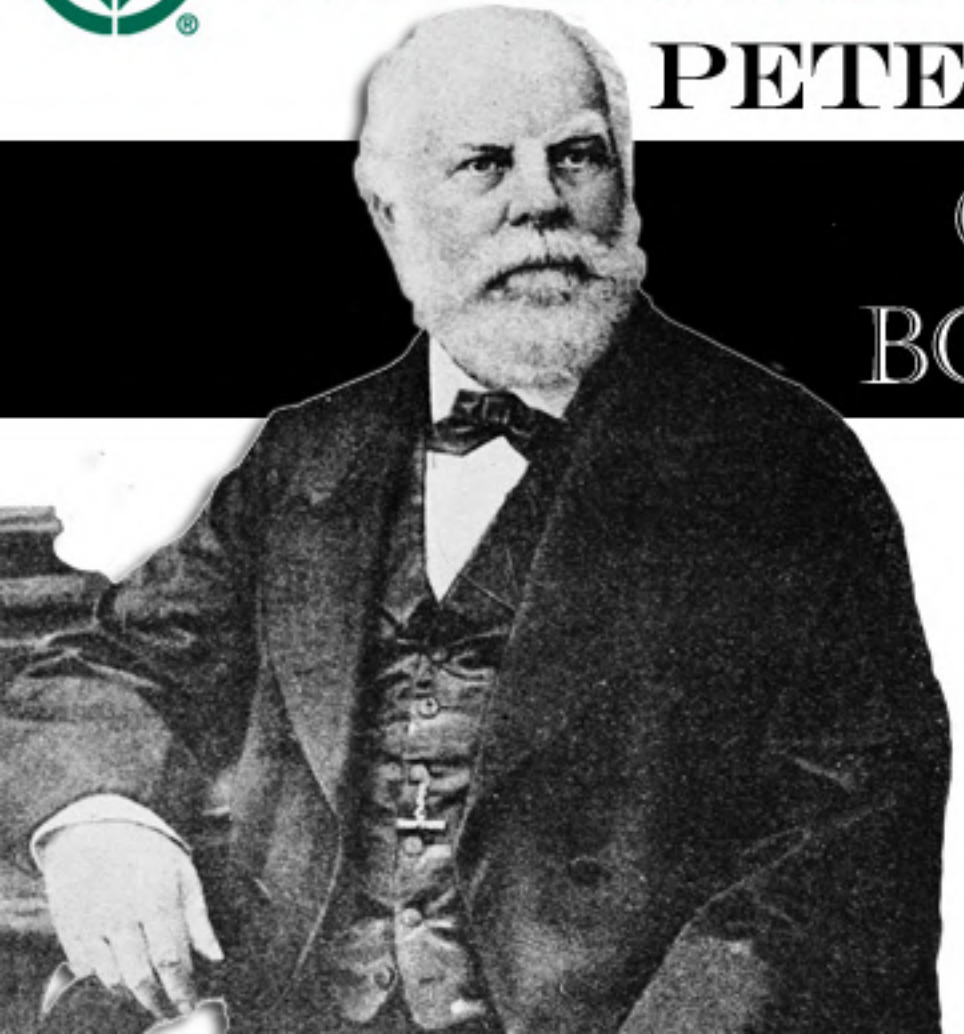
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

777 A

† In America boreali in Virginiis

Host. Salzwed

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cm
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777B

1-5

Alp. Europ.

Yverdun

60 Crassulaceae

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777

Sempervivum tectorum

transitio of stamina into carpels

A. Braun 1857

Berlin 1869

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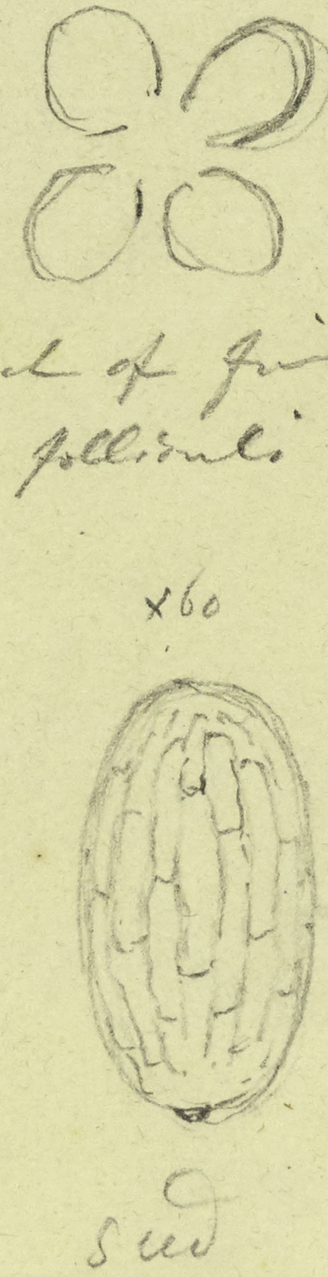
Dec 24 1866

Tillaea simplex Nutt

New Haven, Eaton

779



seed of first
4 follicles

×60

seed

MUSEUM BOTANICUM
CHORA EXSICCATA
Typis Museo Britannico
Londini 1836

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ALEX. LEITCH,

APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St Louis, Mo.

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Echeveria

Saint Barbara Rottonk 1875

Febr 9 1876

×60

×4

seed

16–18 ribs

1 part of fruit

corolla 6 lines long
petals united 1 line
outer (alternate) stamens
inserted at the throat
inner ones shorter adnate
to the petal higher up.

780

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Alex. Leitch,

APOTHECARY & CHEMIST,

Cor. 4th & Olive Sts., St. Louis.

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781

Echeveria flavida n sp. foliis e rhizomate
crasso lanceolatis acuminatis junioribus
parce pulverulentis demum glabratis:
caule crecto parvis lineari-lanceo-
latis striato sursum ramoso-pauci-
lato; floribus inferioribus longe
pedunculatis superioribus circinnato-
spicatis; floris semipollicaris calyce
petalis quarta parte connatis lineari-
lanceolatis; corolla flava ter
breviore staminibus exterioribus
faucei inserti interiora petalis
aequans adnata exedentibus;
carpellis 5 liberis basi squamulis
brevissimis transversis munitis,
in stylos subulatos stamina paulo
superantes abeuntibus: seminibus
fusiformibus 16-18-striatis.

Hills back of Ste Barbara in the
crevices of Rocks: fl. June. ——
Distinguished from other Echeverias
by the scaly, not leafy, flowering
stem (each 6 lines long, 1 line wide)

the long pedunled flowers (peduncles of the lower flowers much longer than these, of the upper flowers half as long) and by the colour of the flowers which the typical scarlet of the genus is almost entirely replaced by the greenish yellow colour of the allied genus Cotyledon; The ~~texture of the~~ consistence of the flower is also less fleshy than usual in the genus if I may judge from the dried specimen. —

Height of flowering stem ?

leaves & inches long 1/2 — 1 inch wide

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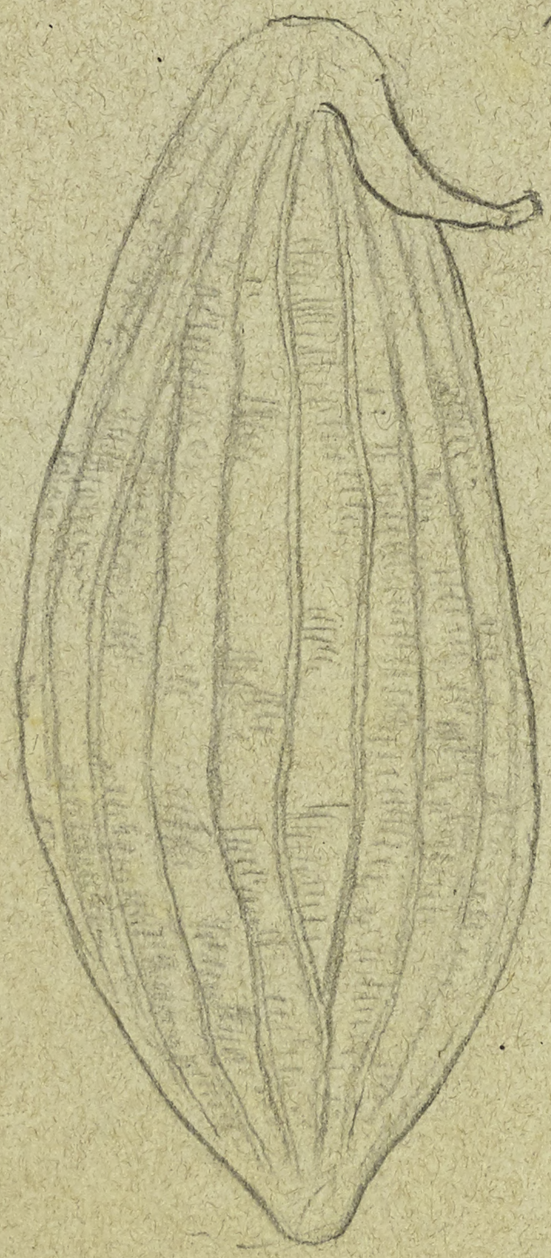
July 3rd 1870

Sedum pulchellum

Michaux

×60



dentatum

782

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7824

to the scene. Suspended, too, from the roofs are large baskets of Achimenes, some radiant with their brilliant blue flowers, and others like a sheet of snow; and thus again artistic beauty and horticultural skill go hand-in-hand.

THE WALNUT (Juglans regia) is a native of the mountains of Asia, from the Caucasus almost to China. It is supposed to be the Enoz of the Bible. The Greeks had it from Asia; and Nicander Theophrastus, and others mention it under the names of Carya, Carya persica, and Carya basilike (or Royal nut). Pliny informs us that it was introduced into Italy from Persia, an introduction which must have been of early date, for, although it be doubtful whether it is alluded to by Cato, it is certainly mentioned by Varro, who was born in the year 116 B. C. The Romans called it Nux persica, Nux regia, Nux eubœa, Jovis glans, Diuglans, Juglans, etc. They recognized several varieties. and amongst them the soft-shelled Walnut still cultivated, which several of the commentators have confounded with the Peach. In modern days, the cultivation has been extended, and the number of varieties considerably increased. Jean Bauhin noticed six only. Micheli, under Cosmo III. of Medici, describes thirty-seven, of which the original specimens are still preserved; some of these, however, are scarcely sufficiently distinct from each other.—*Journal of Horticultural Society.*

QUERIES.

OH! WHAT A NAME.—A correspondent asks, can you tell me where I can get the *Abies alba glauca cœrula aurea striata-puncta?* No! if we did we should not dare to tell. Such an inquiry as this is calculated to strike a deadly blow at the very foundation of botanical nomenclature! An American would have called such a variety John Brown, Governor Wise, or some such heroic name, and would have been satisfied with this measure of glory. It must be an English variety.

Horticultural Societies.

COMMUNICATIONS.

OHIO HORTICULTURAL SOCIETY.

HOW THE CURCULIOS ARE CAUGHT.

Two Mistakes Corrected.

BY M. B. BATEHAM.

In the May number of the *Monthly*, p. 158, speaking of the plum orchard of the Messrs. Brown of Norwalk, Ohio, their mode of catching curculios is given as I understood it at the time of the meeting referred to, and when the report was written for these pages; but subsequently the Messrs. Brown wrote me more fully and corrected a couple of mistakes which I had made. They do not use what should be called a 'pounder' in jarring the trees, nor strike a blow at all, as this would be sure to injure the bark. Their jarring implement is in the form of a crutch, about eight feet long, with a head or cross piece firmly attached; and by placing this in the main crotch of the tree a sudden shake is given, which causes the insects to fall.

The other mistake is in stating that the jarring is done by another person than the one that runs the machine; whereas it is found more economical to let one man do the whole work, carrying the crutch on the catcher when going from tree to tree. Two men with two machines went over the orchard of 2,000 trees twice each day without difficulty.

Dr. Hull's Improved Catcher.—I have not as yet seen any mention in the *Monthly*, of the new style of curculio catcher invented by Dr. Hull of Alton, Ill., which is made to operate on the same principle as those that run on wheels, but is so light and portable as to be easily carried by a man, by means of straps over his shoulders, its weight being only 12 lbs. It is claimed that this can be worked more easily and rapidly than those on wheels, especially where the ground is at all rough or weedy as is commonly the case.

I learn that a good deal of plum planting has been done this spring in different parts of the State. There are now, it is believed, not less than thirty thousand plum trees planted in

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orchard form in Ohio, of which over one-half are of the Damson variety, in Ross County.

EDITORIAL NOTES.

MARYLAND HORTICULTURAL SOCIETY.—Many attempts have been made to establish a Horticultural Society in Maryland, but always failed through divided counsels as to details of management. The Baltimore Horticulturists—amateur and professional—have shown more wisdom in the present movement, and however much they may differ as to what is *best* to be done, seem to have all agreed that they *will have a Society*, and we believe all unite in sustaining it to the best of their ability. This is the proper spirit, and we shall not be surprised to see the Maryland Society take its place with the two great Societies of Pennsylvania and Massachusetts. One excellent plan they have is to hold the business meeting some time during the exhibition. This ensures a good attendance of interested members. Another excellent point is that they have discussions, or rather explanations of any peculiar object exhibited at the meetings by some one who knows. This cannot but add materially to the interest of an exhibition, and would give something to do to the various "Professors" which some Horticultural Societies appoint, but of whose labors in their respective "chairs" the public is profoundly ignorant. We make room for the following extract from a newspaper report to show in some manner what the Maryl .nd Society is doing:

"The monthly exhibition and meeting of the Maryland Horticultural Society was held yesterday at the Academy of Music, on North Howard street, and was the most successful in the history of the organization. The officers and members have reason to congratulate themselves upon the extent and character of the display which was made, and the very large and appreciative attendance. The Committee of Arrangements had displayed the floral beauties and novelties in an artistic manner upon large tables in the two spacious and elegant cafes fronting on North Howard street, and it was evident that it was their purpose to attract and please the public. At 2 P. M. the free exhibition commenced and the cafes were soon filled with ladies, gentlemen and children intently observing and warmly admiring the many and varied products of the hot houses of Baltimore city and Baltimore county. It was conceded that the display, both of the professional and amateur florists, was very creditable, and such efforts cannot fail to give an impetus to horticulture throughout the State.

FRUITS AND FLOWERS.

As was becoming, the President of the Society, Ezra Whitman, Esq., made an exceptionally fine display, and conspicuous among his contributions was a large orange tree, with eighteen or twenty beautiful oranges hanging from the branches. He also exhibited a Cactus jenkinsonia, with 120 blossoms and buds upon it, which was greatly admired. In addition, Mr. Whitman displayed two handsome bouquets, pansies, fuchsias, abutilons, petunias, a very variegated abutilon, a Queen Victoria daisy (very large and rare), and a large amaryllis. Mr. Whitman's gardener is Mr. F. Fauth, Jr.

Mr. R. W. L. Rasin exhibited a very large and beautiful variety of flowers and ferns, and many were rare. Among them were calceolarias, lycopodiums (five varieties and very fine), Selaginellas, Phormium tenax variegata, variegated hibiscus, from a cutting four and one-half feet high; Sanchezia nobilis, two varieties of Fittonia, Caprosma, Bauerina variegata, golden and silver ferns (choice and strictly stove plants), centauria, begonias and a coleus chameleon.

John Feast, Sr., florist, displayed a japonica tree with a profusion of red flowers; also xerotus, primula amœna, anthurium, pandanas Veitchii, arisœmea (very rare), pandamus utilis, a beautiful heath, begonia macrophylla, auracaria, bidwellania, fine ericas and japonicas, with a number of other choice flowers, including double azaleas, ferns and dracenas.

Mr. R. J. Halliday, florist, exhibited a hanging basket filled with growing flowers and plants, calceolarias, the old familiar Scotch thistle, an Arabian Desert plant, and phormium tenax.

Mrs. Isabella Brown, through her gardener, Mr. John Donn, exhibited a choice collection, including calceolarias, azaleas, cinerarias, zonale geraniums, begonias, brought from her country place, "Mount Dorman."

Andrew Patterson, florist, exhibited a great variety of roses (many of rare beauty), and verbenas, fuchsias, and heliotrope

August Hoen, Esq., brought a fine collection of pansies and heliotrope.

Mr. Wm. H. Perot exhibited azaleas, genista venosa and Chlianthus Dampieri.

Mrs. Charles J. Baker exhibited strawberries gathered from her country place.

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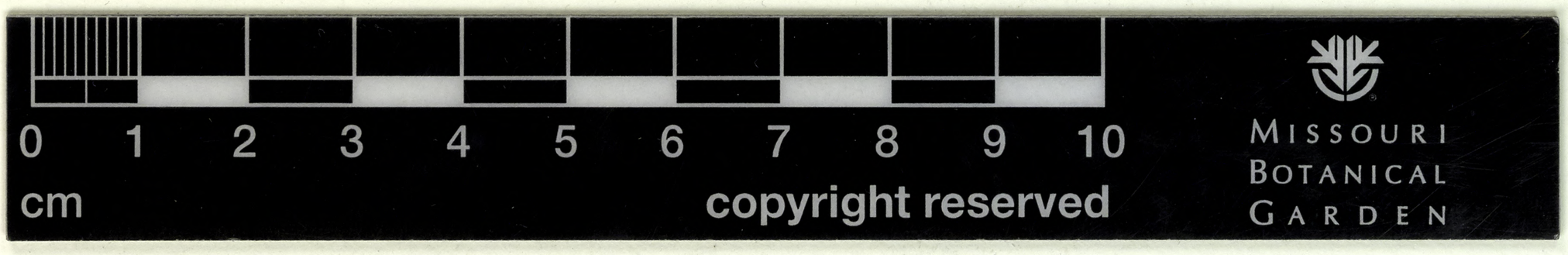
GEORGE ENGELMANN REPORTS



Canyon Sept 17

Sedum stenopetalum

high alpine form Mount Parry Sept 15 '74

13500 alt.

783

×2

Petals, stamens, & pistills of equal length

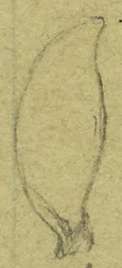
×2

×2

×10

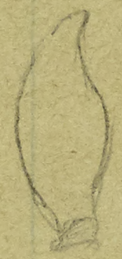
Scale of base of carpels

×2



stem leaf

×2



leaf of rosula

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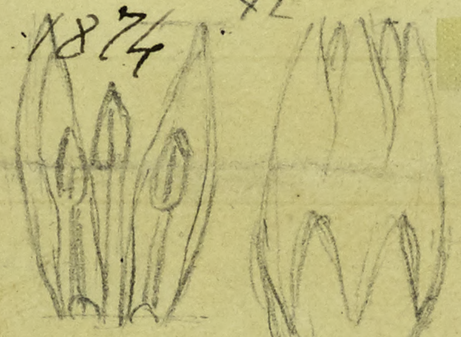
Sedum stenopetalum

Cuspine Aug 3 2 1874

784

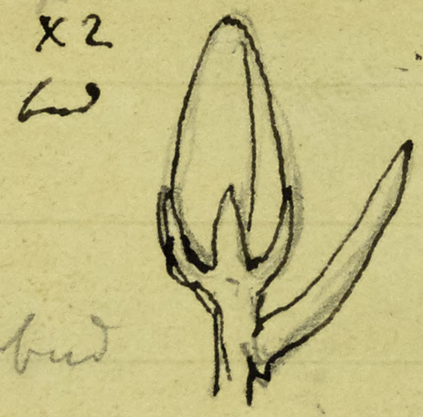
scales small
interior stamens
adnate to base
of petals

scale ×10



×2

Aug 28

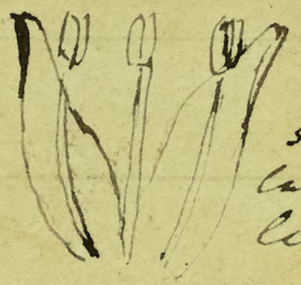


×2

×2

bud

×2



on mount flora
stamens at
last of equal
length - as long
as petals
- the 6 and the inner ones
short

fruit erect; but one specimen had more or less abortive
~~stamens~~ anthers and in the outer flowers no stamens at all
and divaricate carpels.

leaves 3-6 cm long thick and fleshy acute but
by no means acuminate: ~ sepals 1/3 or less than 1/2 as long
as petals — flowers 7 or even 8 cm ~ plant

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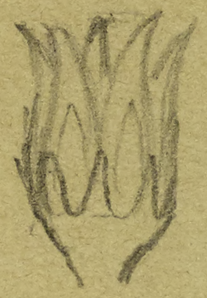
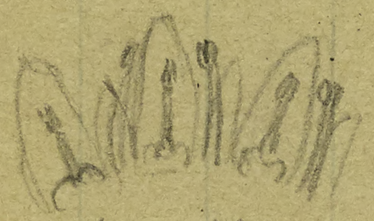
Mont Flora Aug 22 Aug 25

Sedum Rhodiola

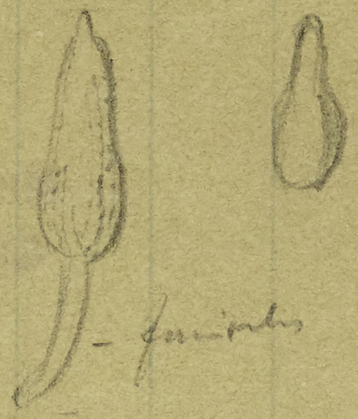
fruit
×2



×4



seed coat
×10



- fruit

785

soaked flower
on mature fruit
Large emarginate
dist - sepals
inner anthers attach 9
to base of petal.

leaves undate
flowers in a flat cyme

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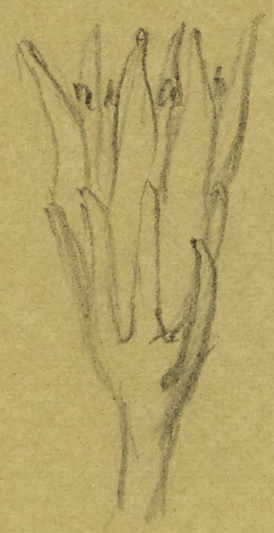
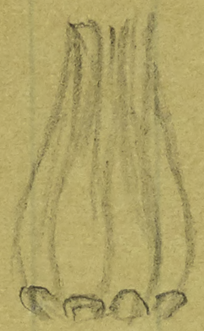
Sedum rhodanthum
Mount Flora Aug 22

Aug 23 '24

×2 ×2 ×2 ×2

786





5 inner stamens adnate to petals, outer free ½ a millimeter at base of petals (or at base of carpels opposite petals) yellowish scales

Fruit immature

open fruit of S. rhodiola

×2

5 flowers examined here & mercury 1, 7-merous

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Echeveria in H. Gard. Garden, fl. 1½ inches long
petals united ⅓ convolute
stamens adnate 3 lines with a
woolly tuft at base of insertion
outer a little longer than
inner ones
5 carpels opposite to inner
stamens and distinct x lobes with a
nectar cup at outer base, outer stamens
only run down to base as a ridge and form 5 grooves

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